

Title (en)
SEMICONDUCTOR PACKAGE SYSTEM

Title (de)
HALBLEITERGEHÄUSESYSTEM

Title (fr)
SYSTÈME DE BOÎTIER SEMICONDUCTEUR

Publication
EP 3567628 B1 20231018 (EN)

Application
EP 19172606 A 20190503

Priority
• KR 20180054304 A 20180511
• KR 20180054305 A 20180511
• KR 20180054307 A 20180511
• KR 20180055081 A 20180514
• KR 20180110511 A 20180914

Abstract (en)
[origin: EP3567628A1] Described is a semiconductor package system. The system includes a substrate, a first semiconductor package on the substrate, a second semiconductor package on the substrate, a first passive element on the substrate, a heat dissipation structure on the first semiconductor package, the second semiconductor package, and the first passive element, and a first heat conduction layer between the first semiconductor package and the heat dissipation structure. A sum of a height of the first semiconductor package and a height of the first heat conduction layer may be greater than a height of the first passive element. The height of the first semiconductor package may be greater than a height of the second semiconductor package.

IPC 8 full level
H01L 23/42 (2006.01); **H01L 23/00** (2006.01); **H01L 23/367** (2006.01); **H01L 23/373** (2006.01); **H01L 23/498** (2006.01); **H01L 23/538** (2006.01); **H01L 23/544** (2006.01); **H01L 23/552** (2006.01); **H01L 25/065** (2023.01); **H01L 25/10** (2006.01)

CPC (source: CN EP US)
H01L 23/3107 (2013.01 - CN US); **H01L 23/367** (2013.01 - CN EP US); **H01L 23/3735** (2013.01 - US); **H01L 23/3737** (2013.01 - EP); **H01L 23/42** (2013.01 - EP); **H01L 23/544** (2013.01 - EP); **H01L 23/552** (2013.01 - EP); **H01L 24/09** (2013.01 - US); **H01L 24/17** (2013.01 - US); **H01L 24/33** (2013.01 - US); **H01L 25/105** (2013.01 - EP); **H01L 25/16** (2013.01 - CN); **H01L 23/49816** (2013.01 - EP); **H01L 23/5385** (2013.01 - EP); **H01L 24/13** (2013.01 - EP); **H01L 24/16** (2013.01 - EP); **H01L 24/19** (2013.01 - EP); **H01L 24/20** (2013.01 - EP); **H01L 24/29** (2013.01 - EP); **H01L 24/32** (2013.01 - EP); **H01L 24/48** (2013.01 - EP); **H01L 24/83** (2013.01 - EP); **H01L 2223/54433** (2013.01 - EP); **H01L 2223/54486** (2013.01 - EP); **H01L 2224/12105** (2013.01 - EP); **H01L 2224/131** (2013.01 - EP); **H01L 2224/16227** (2013.01 - EP); **H01L 2224/26175** (2013.01 - EP); **H01L 2224/27332** (2013.01 - EP); **H01L 2224/2919** (2013.01 - EP); **H01L 2224/2929** (2013.01 - EP); **H01L 2224/29294** (2013.01 - EP); **H01L 2224/29299** (2013.01 - EP); **H01L 2224/32225** (2013.01 - EP); **H01L 2224/32245** (2013.01 - EP); **H01L 2224/33181** (2013.01 - EP); **H01L 2224/45099** (2013.01 - EP); **H01L 2224/48227** (2013.01 - EP); **H01L 2224/73204** (2013.01 - EP); **H01L 2224/73253** (2013.01 - EP); **H01L 2224/83101** (2013.01 - EP); **H01L 2224/83102** (2013.01 - EP); **H01L 2224/83203** (2013.01 - EP); **H01L 2224/92125** (2013.01 - EP); **H01L 2924/15192** (2013.01 - EP); **H01L 2924/15311** (2013.01 - EP); **H01L 2924/16152** (2013.01 - EP); **H01L 2924/19105** (2013.01 - EP); **H01L 2924/381** (2013.01 - EP)

Cited by
US11600607B2; TWI764812B

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3567628 A1 20191113; **EP 3567628 B1 20231018**; CN 110473839 A 20191119; US 11075138 B2 20210727; US 2019348343 A1 20191114; US 2021358831 A1 20211118

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EP 19172606 A 20190503; CN 201910336915 A 20190425; US 201916397278 A 20190429; US 202117384863 A 20210726